Approved For Release 2002/08/06 : CIA-RDP68B00724R000100080008-5 25X1 25X1 2707-66 opy 10 of 10 NRO REVIEW COMPLETED 9 September 66 MEMORANDUM FOR THE RECORD ISINGLASS Briefing of Dr. Flax at SUBJECT: McDonnell Aircraft Corporation 1. Dr. Flax, DNRO, was briefed on ISINGLASS at St. Louis on 7 September 66. Attendees were: Dr. Alexander Flax **DNRO** 25X1 NRO Staff

John Parangosky

John Parangosky

Headquarters

2. During the discussions, the following emerged:

a. Dr. Flax agreed to work with us to establish generally acceptable ground rules for cost effectiveness and survivability studies. He agreed on the need for these, using CIA/DOD contractors with MAC support.

b. Although he appeared mildly concerned at the system orientation of the proposed R&D program, he readily agreed that a technology development should be supported. He was careful to point out that this would not imply a full-fledged program as a consequence. He did not specify a level of effort but stated that the technology should be brought along in step with the engine development. He also wants us to define carefully what we will have in hand at the end of such an effort.

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out that he owed EXC	oned on timing of funding he pointed OM a report on ISINGLASS and said
he would try to comp	lete action within two or three weeks.
3. The briefing las	ted from 1100 until 1530. After
a short introduction by system description,	briefed on system cost
effectiveness and surviva	bility and covered the
technology. Following luengine developments, incl	uding the unique two position nozzle,
ā\ diecuseed	manufacturing methods and conducted ay items. The formal briefing ended
with a short presentation	on alternate applications.
4. Dr. Flax raised	the following points:
a Ho question	ned whether the man added a great deal
to exetem flexibilit	v. He conceded that man was probably
hic procence during	witching device available" and that the test program was desirable. It
was pointed out that	man could take advantage of the of the system in maneuver, relight,
throttling atc hu	it Dr. Flax noted that reconnaissance
of choice He retur	programmed thus reducing the area rned to this subject later when he
-ucstioned the relat	rive nuclear Willnerability of the man
time he stated that	d again during the discussion at which he would like to consider further the
possibility of droni	ing the device after a manned test
program and then an	operational vehicle specifically
remaion with the fro	and possibly also a throw-away tank ont end droned. Regarding reliability,
Dr. Flax was of the in the landing phase	opinion that the man paid off primarity
•	presentation on system cost effec-
tiveness he said tha	at the target yields used for orbital
systems seemed low.	argets that is ones that had not
haan daan praviousis	y during the year in question and did d looks. Although he agreed that this
aguld ovalain the lo	ow numbers he was unsure now this
around rule affected	d the comparisons. It was generally

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	agreed that the effectiveness studies would have to be conducted under ground rules that are acceptable to NRO, Hdqtrs., and MAC in order to be satisfactory and avoid this type of uncertainty. In addition, he pointed out that procurement and operational costs of orbital systems are well known and that a sensitivity analysis should be conducted varying ISINGLASS RDT&E, procurement, and	
	operational costs.	\neg
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	Advanced Projects Division	
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